

AMENDMENTS TO THE SPECIFICATION:

Please replace paragraph the paragraph beginning at page 20, line 11 with the following amended paragraph:

A desired refrigerator for ultra-low temperature must be operated at an interior temperature of 60°C or less and more preferably 80°C or less. The interior temperature of the refrigerator decreased to about 60°C at an ethane content between about 20% and about 30%, but the temperature was almost constant in such an ethane content and its vicinities. Although the effect of the refrigerant mixture gently decreased as the ethane content changed towards 10% or ~~[[30%]]~~ 40%, the temperatures were still maintained about 55°C. The interior temperature of the refrigerator decreased again at ethane content above 40%. However, the pressure in the higher-pressure region steeply increased. Therefore, such ethane contents were not applicable.

Please replace paragraph the paragraph beginning at page 31, line 12 with the following amended paragraph:

As observed above, the target characteristics of a refrigerant mixture according to the present invention are achieved by a butane-ethylene refrigerant mixture containing 10% to 30% ~~butane~~ ethylene and 7.5% or less of R-14.